

Plastics — Polymers/resins in the liquid state or as emulsions or dispersions — Determination of viscosity using a rotational viscometer with defined shear state

The European Standard EN ISO 3219:1994 has the status of a British Standard

IMPORTANT NOTICE. Before reading this method it is essential to read BS 2782-0 *Introduction* issued separately.

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Plastics and Rubber Standards Policy Committee (PRM/-) to Technical Committee PRM/21, upon which the following bodies were represented:

- British Plastics Federation
- British Textile Confederation
- Department of the Environment (Building Research Establishment)
- Department of Trade and Industry (National Physical Laboratory)
- Electrical and Electronic Insulation Association (BEAMA Ltd.)
- GAMBICA (BEAMA Ltd.)
- Institute of Materials
- Ministry of Defence
- Packaging and Industrial Films Association
- Pira International
- RAPRA Technology Ltd.

This British Standard, having been prepared under the direction of the Plastics and Rubber Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 March 1994

© BSI 03-2000

First published October 1978
Second edition March 1994

The following BSI references relate to the work on this standard:
Committee reference PRM/21
Draft for comment 91/43044 DC

ISBN 0 580 22978 5

Amendments issued since publication

Amd. No.	Date	Comments
8630	October 1995	Indicated by a sideline in the margin

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword	2
1 Scope	3
2 Normative reference	3
3 Principle	3
4 Apparatus	3
5 Sampling	4
6 Test conditions	4
7 Expression of results	5
8 Test report	5
Annex A (normative) Coaxial-cylinder viscometers	6
Annex B (normative) Cone-and-plate system	9
Figure A.1 — Standard-geometry coaxial-cylinder system	7
Figure B.1 — Cone-and-plate system geometry	9
List of references	Inside back cover

National foreword

This British Standard has been prepared under the direction of the Plastics and Rubber Standards Policy Committee and is identical with ISO 3219:1993 *Plastics — Polymers/resins in the liquid state or as emulsions or dispersions — Determination of viscosity using a rotational viscometer with defined shear rate*, published by the International Organization for Standardization (ISO). It supersedes BS 2782:Method 730B:1978, which is withdrawn.

In 1994 the European Committee for Electrotechnical Standardization (CENELEC) accepted ISO 3219:1993 as European Standard EN ISO 3219:1994. As a consequence of implementing the European Standard this British Standard is renumbered as BS EN ISO 3219 and any reference to BS 2782-7:Method 730B should be read as a reference to BS EN ISO 3219.

Cross-reference

International Standard	Corresponding British Standard
ISO 291:1977	BS 2782 <i>Methods of testing plastics</i> Part 0:1992 <i>Introduction</i> (Annex A is identical)

WARNING NOTE. This British Standard, which is identical with ISO 3219:1993, does not necessarily detail all the precautions necessary to meet the requirements of the Health and Safety at Work etc. Act 1974. Attention should be paid to any appropriate safety precautions and the method should be operated only by trained personnel.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN ISO title page, pages 2 to 10, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

UDC 678.6/7:532.13

Descriptors: Plastics, polymers, resins, tests, determination, viscosity

English version

Plastics — Polymers/resins in the liquid state or as emulsions or dispersions — Determination of viscosity using a rotational viscometer with defined shear rate

(ISO 3219:1993)

Plastiques — Polymères/résines à l'état liquide, en émulsion ou en dispersion — Détermination de la viscosité au moyen d'un viscosimètre rotatif à gradient de vitesse de cisaillement défini
(ISO 3219:1993)

Kunststoffe — Polymere/Harze in flüssigem, emulgiertem oder dispergiertem Zustand — Bestimmung der Viskosität mit einem Rotationsviskosimeter bei definiertem Geschwindigkeitsgefälle
(ISO 3219:1993)

This European Standard was approved by CEN on 1994-08-22. CEN members are bound to comply With the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

© 1995 Copyright reserved to CEN members